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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2017-18/ C-

DATE: 13-11-2017

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (28 days Compressive Strength)
{Project*: Improvements roads and drains at Attur Village, Attur Layout, Santhosh nagara, and Muneswara nagara in Ward No. 03}

Ref: Letter No.Testing/BUB/2017-18, dated 13-11-2017

Sample supplied to lab by: M/s. S M L P Asphalts
Bettahalasuru Post,
Bangalore North

Report required for: Assistant Executive Engineer,
Yelahanka New Town Sub- Division,
BBMP, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{30}

Location* : CC Road

TABLE 1.1 :

Sl No	Location/ Identification *	Date of Casting*	Date of Testing	Age in Days	C/S Area in Mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	16-10-17	13-11-17	28	22500	725	32.22	32.07
	002	"	"	"	"	735	32.67	
	003	"	"	"	"	705	31.33	

AE W3

*As Furnished by Client.

The Results relate only to the items tested.

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AE-03

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FOR QUALITY & EXCELLENCE IN HIGHER EDUCATION
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JNANA BHARATHI
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BUB/CTE/2017-18/

Date: 22-09-2017

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements roads and drains at Attur Village, Attur Layout, Santhosh nagara, and Muneswara nagara in Ward No. 03}
Ref: Letter No.Testing/BUB/2017-18, dated 20-09-2017
Sample supplied to lab by: M/s. S M L P Asphalts
Bettahalasuru Post,
Bangalore North
Report required for: Assistant Executive Engineer,
Yelahanka New Town Sub- Division,
BBMP, Bangalore

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53	100.00	100
45	97.30	95-100
26.5	---	-
22.4	73.20	60-80
11.2	55.10	40-60
4.750	32.00	25-40
2.360	18.40	15-30
0.600	14.00	8-22
0.075	3.10	0-8

AE W3

*As Furnished by Client.
The Results relate only to the items tested.

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AE-03

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DEPARTMENT OF CIVIL ENGINEERING

Date: 22-09-2017.

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2007) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, IV Revision -2001.
1.	Aggregate Impact Value	**21.80 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
2.	Combined Flakiness and Elongation index, %	**27.42**	Not more than 30.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

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BUB/CTE/2017-18/

Date: 23-09-2017

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements roads and drains at Attur Village, Attur Layout, Santhosh nagara, and Muneswara nagara in Ward No. 03}

Ref: Letter No.Testing/BUB/2017-18, dated 21-09-2017

Sample supplied to lab by: M/s. S M L P Asphalts
Bettahalasuru Post,
Bangalore North

Report required for: Assistant Executive Engineer,
Yelahanka New Town Sub- Division,
BBMP, Bangalore

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53	100.00	100
45	98.10	95-100
26.5	---	-
22.4	72.25	60-80
11.2	55.45	40-60
4.750	35.75	25-40
2.360	16.05	15-30
0.600	12.25	8-22
0.075	4.05	0-8

*As Furnished by Client.

The Results relate only to the items tested.

23/09/17

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BUB/CTE/2017-18/

Date: 25-09-2017

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements roads and drains at Attur Village, Attur Layout, Santhosh nagara, and Muneswara nagara in Ward No. 03}
Ref: Letter No.Testing/BUB/2017-18, dated 22-09-2017
Sample supplied to lab by: M/s. S M L P Asphalts
Bettahalasuru Post,
Bangalore North
Report required for: Assistant Executive Engineer,
Yelahanka New Town Sub- Division,
BBMP, Bangalore

TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53	100.00	100
45	97.25	95-100
26.5	---	-
22.4	73.15	60-80
11.2	54.20	40-60
4.750	34.10	25-40
2.360	15.40	15-30
0.600	11.00	8-22
0.075	3.95	0-8

*As Furnished by Client.
The Results relate only to the items tested.

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BUB/CTE/2017-18/

Date: 26-09-2017

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements roads and drains at Attur Village, Attur Layout, Santhosh nagara, and Muneswara nagara in Ward No. 03}
Ref: Letter No.Testing/BUB/2017-18, dated 23-09-2017
Sample supplied to lab by: M/s. S M L P Asphalts
Bettahalasuru Post,
Bangalore North
Report required for: Assistant Executive Engineer,
Yelahanka New Town Sub- Division,
BBMP, Bangalore

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53	**100.00**	100
45	**96.15**	95-100
26.5	---	-
22.4	**76.25**	60-80
11.2	**54.00**	40-60
4.750	**34.75**	25-40
2.360	**15.50**	15-30
0.600	**13.40**	8-22
0.075	**4.25**	0-8

*As Furnished by Client.
The Results relate only to the items tested.

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BUB/CTE/2017-18/

Date: 28-09-2017

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements roads and drains at Attur Village, Attur Layout, Santhosh nagara, and Muneswara nagara in Ward No. 03}

Ref: Letter No.Testing/BUB/2017-18, dated 25-09-2017

Sample supplied to lab by: M/s. S M L P Asphalts
Bettahalasuru Post,
Bangalore North

Report required for: Assistant Executive Engineer,
Yelahanka New Town Sub- Division,
BBMP, Bangalore

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53	100.00	100
45	98.60	95-100
26.5	---	-
22.4	74.60	60-80
11.2	56.40	40-60
4.75	35.75	25-40
2.360	17.15	15-30
0.600	13.00	8-22
0.075	4.25	0-8

*As Furnished by Client.

The Results relate only to the items tested.

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BUB/CTE/2017-18/

Date: 03-10-2017

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements roads and drains at Attur Village, Attur Layout, Santhosh nagara, and Muneswara nagara in Ward No. 03}

Ref: Letter No.Testing/BUB/2017-18, dated 28-09-2017

Sample supplied to lab by: M/s. S M L P Asphalts
Bettahalasuru Post,
Bangalore North

Report required for: Assistant Executive Engineer,
Yelahanka New Town Sub- Division,
BBMP, Bangalore

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53	**100.00**	100
45	**96.10**	95-100
26.5	---	-
22.4	**75.25**	60-80
11.2	**54.15**	40-60
4.75	**34.60**	25-40
2.360	**19.40**	15-30
0.600	**15.15**	8-22
0.075	**4.55**	0-8

*As Furnished by Client.

The Results relate only to the items tested.

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BUB/CTE/2017-18/

Date: 06-10-2017

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements roads and drains at Attur Village, Attur Layout, Santhosh nagara, and Muneswara nagara in Ward No. 03}
Ref: Letter No.Testing/BUB/2017-18, dated 03-10-2017
Sample supplied to lab by: M/s. S M L P Asphalts
Bettahalasuru Post,
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Report required for: Assistant Executive Engineer,
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BBMP, Bangalore

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53	100.00	100
45	95.25	95-100
26.5	---	-
22.4	76.15	60-80
11.2	54.10	40-60
4.75	36.55	25-40
2.360	18.00	15-30
0.600	15.65	8-22
0.075	5.10	0-8

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The Results relate only to the items tested.

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Date: 09-10-2017

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements roads and drains at Attur Village, Attur Layout, Santhosh nagara, and Muneswara nagara in Ward No. 03}

Ref: Letter No.Testing/BUB/2017-18, dated 06-10-2017

Sample supplied to lab by: M/s. S M L P Asphalts
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Bangalore North

Report required for: Assistant Executive Engineer,
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TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53	100.00	100
45	96.10	95-100
26.5	---	-
22.4	77.25	60-80
11.2	56.40	40-60
4.75	38.85	25-40
2.360	19.45	15-30
0.600	14.70	8-22
0.075	4.95	0-8

*As Furnished by Client.
The Results relate only to the items tested.

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Date: 11-10-2017

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements roads and drains at Attur Village, Attur Layout, Santhosh nagara, and Muneswara nagara in Ward No. 03}
Ref: Letter No.Testing/BUB/2017-18, dated 09-10-2017
Sample supplied to lab by: M/s. S M L P Asphalts
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TEST RESULTS

1. Gradation Test:
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53	100.00	100
45	97.15	95-100
26.5	---	-
22.4	79.20	60-80
11.2	54.05	40-60
4.75	36.55	25-40
2.360	17.65	15-30
0.600	13.00	8-22
0.075	5.10	0-8

*As Furnished by Client.
The Results relate only to the items tested.

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